

FORM PTO-1390  
(REV. 02-2005)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**

0033-0999PUS1

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

**10/532826**

INTERNATIONAL APPLICATION NO.

PCT/JP2003/003548

INTERNATIONAL FILING DATE

March 24, 2003

PRIORITY DATE CLAIMED

October 31, 2002

**TITLE OF INVENTION**

REGENERATOR, METHOD AND APPARATUS FOR MANUFACTURING REGENERATOR AND STIRLING REFRIGERATOR

**APPLICANT(S) FOR DO/EO/US**

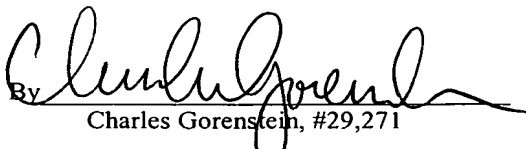
Hiroyuki KATAYAMA and Yoshiaki OGURA

**Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:**

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is attached hereto (required only if not transmitted by the International Bureau).
  - b. ☒ has been communicated by the International Bureau. WO 2004/040206
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☒ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4)
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).
  - a. ☒ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☒ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
  - a. ☒ is attached hereto.
  - b. ☐ has been submitted to the Internal Bureau (See Box VIII-4-1 of the Request (PCT/R0/101), **copy attached**).  
The Power of Attorney or Authorization of Agent and Certificate under 37 CFR 3.73(b) Showing Chain of Title are: ☐ attached hereto. ☐ will follow.
10. ☒ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items 11. to 20. below concern document(s) or information included:**

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98, Form PTO-1449(s), and International Search Report (PCT/ISA/210) with 5 cited document(s).
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 C.F.R. 1.76
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information:  
PCT/ISA/210; PCT/IPEA/409; PCT/IB/301; PCT/IB/332; PCT/IB/346; PCT/IB/304; PCT/IB/308 & Nineteen (19) Sheets of Formal Drawings

U.S. APPLICATION NO (if known, see 37 CFR 1.5)		INTERNATIONAL APPLICATION NO		ATTORNEY'S DOCKET NUMBER	
10/532826		PCT/JP2003/003548		0033-0999PUS1	
The following fees are submitted:					
21. <input checked="" type="checkbox"/>	Basic national fee .....			\$300.00	
				\$	300.00
22. <input checked="" type="checkbox"/>	Examination fee				
If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) .....				\$100.00	
All other situations .....				\$200.00	
				\$	200.00
23. <input checked="" type="checkbox"/>	Search fee				
Search fee (37 CFR 1.445(a(2))) has been paid on the international application to the USPTO as an International Searching Authority. ....				\$100.00	
International Search Report prepared and provided to the Office .....				\$400.00	
All other situations .....				\$500.00	
				\$	500.00
TOTAL OF 21, 22 AND 23 =				\$	1000.00
<input type="checkbox"/>	Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing in an electronic medium). The fee is \$250.00 for each additional 50 sheets of paper or fraction thereof.				
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
60 - 100 =	0 / 50 =	0	x \$250.00	\$	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total Claims	7 - 20 =	0	x \$50.00	\$	
Independent Claims	7 - 3 =	4	x \$200.00	\$	800.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable) <input type="checkbox"/>			+ \$360.00	\$	
TOTAL OF ABOVE CALCULATIONS =				\$	1800.00
<input type="checkbox"/>	Applicant claims small entity status. See 37 C.F.R. § 1.27. The fees indicated above are reduced by 1/2.			\$	
SUBTOTAL =				\$	1800.00
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 C.F.R. § 1.492(i)).				+	\$
TOTAL NATIONAL FEE =				\$	1800.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+	\$
TOTAL FEES ENCLOSED =				\$	1840.00
				Amount to be Refunded:	\$
				Amount to be charged:	\$ 1840.00
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$1,840.00 to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account. No. 02-2448 in the amount of \$0.00 to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees that may be required, or credit any overpayment to Deposit Account No. 02-2448.</p> <p><b>NOTE: Where an appropriate time limit under 37 C.F.R. § 1.495 has not been met, a petition to revive (37 C.F.R. § 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b></p> <p>Send all correspondence to:          Birch, Stewart, Kolasch &amp; Birch, LLP or Customer No. 02292          P.O. Box 747          Falls Church, VA 22040-0747          (703) 205-8000</p> <p><b>Date:</b> <u>April 26, 2005</u></p>					
				 By <u>Charles Gorenstein, #29,271</u>	

/smt